BE IT ALL SCIENCE.

FIND IT ALL AT ILLINOIS TECH

BIOLOGY. CHEMISTRY. PHYSICS.
COMPUTER SCIENCE. APPLIED MATH.

STAND ON THE LEADING EDGE.

Why study science? Science underpins everything. It allows us to venture into the unknown. Its discoveries lead to tomorrow's technologies. It is challenging. It develops problem-solving skills with wide application, making graduates valuable to diverse employers. It is fundamentally a global collaborative enterprise.

Why study science at Illinois Tech? Because it provides you all the benefits of a small school, coupled with major research capacity, and all the benefits of the city of Chicago.

YOU'RE IN GOOD COMPANY IN THE COLLEGE OF SCIENCE.

The College of Science is a small, private school, but its research is major league. You're in courses taught by more than 100 outstanding full-time faculty who are top scholars in their fields. That's right. By faculty. Not by teaching assistants.

When you graduate, you'll join a network of more than 10,000 alumni who work in business, government, and academic institutions all over the world.

How good is that?

SPEND TIME WITH REALLY SMART PEOPLE.

We have connections with world-famous labs including Argonne National Laboratory, partners such as Chicago Public Schools, and Chicago businesses. As a student, you'll get access to networks of mentors, colleagues—and a lot of really influential people in your field.

RIGOR AND RELEVANCE.

These two words define the educational experience you will receive in the College of Science. Our programs are intellectually demanding and provide multiple pathways to the academic, professional, and entrepreneurial worlds. We will give you the tools to solve today's problems and the knowledge to build the new tools to address tomorrow's problems.

YOUR DEGREE HAS VALUE.

Our graduates are hired by companies with names everyone recognizes: Microsoft, Google, Orbitz, Argonne, Baxter, the Chicago Board of Trade, and Chase, to name just a few. And if you want to go on to earn a graduate degree in your field, you'll be glad to know that our students have been accepted into prestigious programs from Oxford to Princeton.

CONDUCT RESEARCH THAT MATTERS.

In the College of Science you can work on research with internationally known faculty. You can intern at world-renowned laboratories. Or conduct your own research. Illinois Tech undergraduates can do research at Argonne and Fermilab national laboratories. That's right. Undergraduates. Now that's something special.

Personalized. That's what education should be.
At Illinois Tech one size never fits all.

UNDERGRADUATE PROGRAMS

BACHELOR OF SCIENCE IN:

- Applied Mathematics
- Applied Physics
- Astrophysics
- Biochemistry
- Bioinformatics
- Biology
- Chemistry
- Computer Science
- Computer Information Systems
- Molecular Biochemistry and Biophysics
- Physics
- Physics Education

All of the above may be combined with a minor in STEM education, leading to state licensure.

Our special academic programs include:

- Pre-Medical/Health Professions Program
- Honors Pharmacy

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TWELVE UNDERGRADUATE MAJORS

Nearly one in five Illinois Tech students earns a degree from the College of Science.

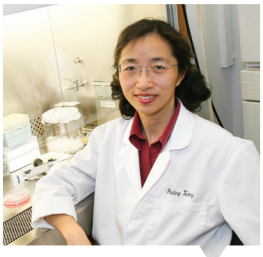
2'FER ADVANTAGE

Earn your bachelor's degree and master's degree in more than 20 different combinations in as few as five years.

For example:

- Earn a B.S. in Applied Mathematics and an M.S. in Computer Science
- Earn a B.S. in Physics and an M.S. in Health Physics
- Earn a B.S. in Biology and an M.S. in Biology
- Earn a B.S. in Computer Science and a Professional Master's in Data Science
- Earn a B.S. in Chemistry and a Professional Master's in Food Safety and Technology

... and many more.



Jialing Xiang
Professor of Biology
M.D. XuZhou Medical College
Ph.D. University of Alabama at Birmingham

Jialing Xiang's research team discovered a powerful tumor suppressor found only in cancer cells, suggesting the possibility that sick cells can generate a previously unknown protein that might be able to stop tumors from growing.

Researchers have known for some time that a common protein in the body is a key component in programmed cell death—a way that the body rids itself of potentially cancerous cells. When the body fails to express the protein, it can give way to tumor formation and resistance to chemotherapy.

Xiang's team discovered that, surprisingly, the combination of two "bad" things—two common occurrences in cancer—actually led to production of this new protein, which in studies showed signs of better response to certain chemotherapeutic drugs.

In addition to being a top researcher, Xiang has a system to identify potential undergrads to work in her lab and to tailor projects in her lab specifically so that each undergrad can meet his or her career goals. More than 95 percent of the undergrads who have worked with Xiang have successfully enrolled either in graduate school or found jobs after graduation.

RESEARCH ON THE EDGE

Our faculty are pushing the boundaries of what we know in many areas, including:

- Accelerator research
- Big data and data analytics
- Cancer therapeutics
- Computational mathematics
- Discrete applied mathematics
- Distributed systems, cloud, high-end computing
- Improvement of bacterial strains for enhanced biodesulfurization of petroleum
- Information retrieval, data mining
- Materials for organic solar cells and photovoltaic devices
- Nanomaterials for applications in chemical sensing, energy storage, and biomedical usage
- Networks, sensors, and social networks
- Particle physics
- Programmed cell death in cancer cells
- Solar energy conversion, catalysis, electronic materials, and chemical structure and bonding
- Stochastics (including financial mathematics)
- Superconductivity

STAND OUT.

Our graduates are far from ordinary.
But we expect them to be extraordinary.

Jacob Matijevic
(Math '69) —
Lead developer
of the Mars rovers

Rajeev Chandrasekhar
(M.S. Computer Science '88) —
Co-designed
Intel's Pentium chip

Susan Solomon
(Chemistry '77) —
Co-chair of the
Intergovernmental Panel
on Climate Change,
which received the
2007 Nobel Peace Prize

Michael Romalis
(Physics '93) —
Princeton University
physics professor

Victor Tsao
(M.S. Computer Science '80) —
Founder of Linksys

Will we add your name to our list?

College of Science
ILLINOIS INSTITUTE OF TECHNOLOGY

EXPERIENCE IT

SEE WHAT HAWK LIFE IS ALL ABOUT!

Throughout the year we host a number of opportunities for you and your family to come check out everything you'd ever want to know about us!

Schedule a campus visit today at **visit.iit.edu.**

Or send us an email at **admissions@iit.edu**.

CollegeWeek Live